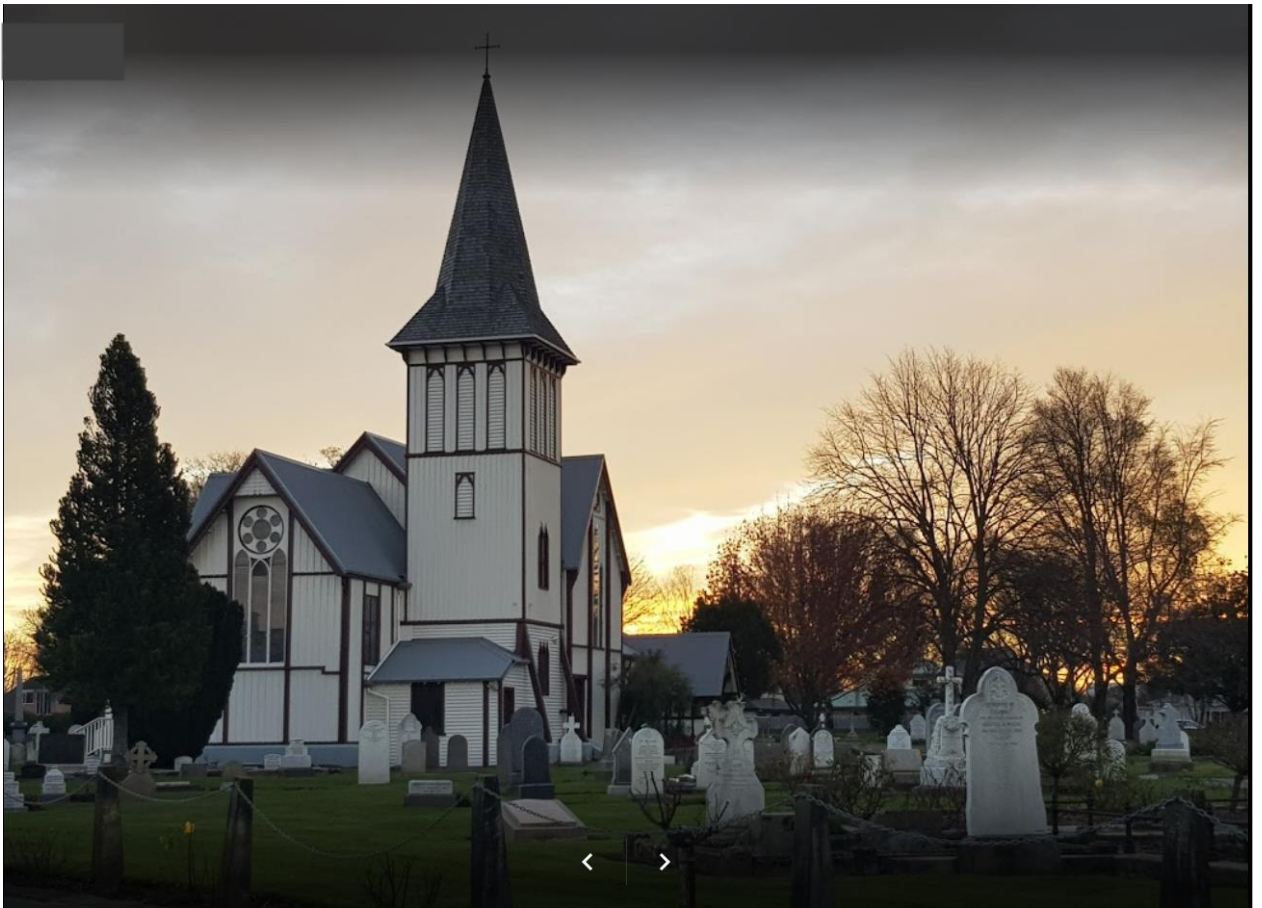


# ENVIRONMENTAL MANAGEMENT PLAN

ST PAUL'S ANGLICAN CHURCH  
Papanui, Christchurch



**Presented by:**

Judith McDonald  
July 2020

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## Guiding Principles

A key principle in putting together this plan, was to build into the mission for our parish a focus on caring for, and safeguarding our environment (God's creation) so that it will continue to sustain and renew all life on earth. This plan also sets out the actions the Parish proposes to take to mitigate the effects of climate heating and bio-diversity loss. In particular, the Parish also seeks to reduce our carbon footprint.

This document needs to be a **living document** that is acted on if we are to achieve meaningful change. To do this will also require a small dedicated team with the passion and time to engage with our parishioners to build a momentum of change.

The objectives contained in this plan need to be measurable (not necessarily in metrics) so that we can ensure our efforts are delivering expected results.

This plan should foster an ethic of stewardship and ensure our parish wisely uses resources to support its activities and seeks to reduce negative impacts on the environment. As stewards of God's creation we seek to improve environmental outcomes and contribute to positive change. All decisions at St Paul's should be made with an **environmental lens** over them.

## The Environmental Management Committee

An Environmental Management Committee consisting of the environmental co-ordinator (vestry member Judith McDonald (and climate change champion)), the Vicar (Rev. Dr Tim Frank), and an additional Vestry member (Rod Shaw) has been created. Additional members will be co-opted as required.

This committee's role is to review current environmental performance of the Church, consider areas of improvement, monitor improvement over time, and raise environmental factors in any decisions. It will suggest actions to Vestry for implementation.

In addition, this committee will look to identify initiatives that will build understanding and knowledge within our parish about relevant environmental issues, with a view to encouraging small changes at an individual level that will positively impact on the environment that we live in and need to care for.

## Review of current environmental performance

The Environmental Management Committee will review the environmental performance of St Paul's Anglican Church, with a focus on the priority areas identified below. As we work through this review, other areas may be added to this if they are identified as a priority. Once our priority areas have been assessed, these will be reviewed annually, along with any short term community initiatives that are put in place.

When conducting the review and developing recommendations the committee will:

- Build their knowledge and understanding of the environmental issues that they are reviewing to ensure that recommendations are sound.
- Take a long-term view, while also identifying possible immediate actions;
- Give regard to the overall mission of the Church, and the particular missional focus of the Parish.

## The priority areas identified for review are:

Priority Area	Description	Criteria	Action
Energy use	Heating, Lighting, Equipment	Analyse energy use against best practice energy guidelines (includes external church lighting).	Move to devices that lower energy use. Adopt practices that lower energy use.
Consumables	Stationery, food items	Determine environmental impact of consumables during production, use and disposal.	Acquire consumables that have lower environmental impacts. Decrease requirements for consumables.
Travel	Travel	Determine the environmental impact of the Vicar's travel and travel for church business generally against lower environmental impact options.	Move to adopt travel options that are cost effective / time effective and have lower environmental impact.
Waste	Office, Vicarage	Determine quantum of waste going to landfill / recycled waste from the Church and Vicarage.	Reduce waste, especially waste going to landfill. Increase waste recycling.
Hot Water	Hot water cylinders	Analyse hot water usage and any environmental impact of current system and practices.	Adopt practices or introduce systems that enable better management of hot water (on tap only when required).
Cleaning	Cleaning contractor	Assess current contract to determine any negative environmental impacts.	Identify changes to reduce environmental damage. This may include identifying a new contractor.

Vicarage	Energy Efficiency / environmental compliance	Assess current vicarage against best practice guidelines for a healthy and energy efficient home.	Develop a plan to upgrade the Vicarage to meet standards <u>or</u> purchase a newer property that requires less remedial work, taking into account overall sustainable practice.
	Grounds	Upkeep of church grounds and graveyards.	Assess products and materials currently used to ascertain any environmental impact.
Parish	Environmental Focus	Assess parishioners' environmental focus and current practices around energy / travel / waste / protecting the environment.	Use this information to develop a plan that increases environmental awareness within the parish and their families, with a view to encouraging step changes.
			Identify an environmental project within the community that the parish can get behind and provide practical support.
Community	Contribute to community effort of environmental stewardship.	Engage with churches and community groups on environmental stewardship. Assess our own use of resources to bring about positive change.	Develop a transport plan for Sunday services that minimises the number of vehicles in use.
			Work together with the Diocese, other churches and community groups to foster better environmental outcomes.
			Any decisions about use of parish resources to take environmental considerations into account.

Notes:

- After identifying the main items for each section, these will be bench-marked against possible alternatives that provide a lower environmental impact. Quality and price considerations will also be used in any comparison.
- Power bills will be analysed against usage to help determine potential solutions.

### Areas for improvement

After a review of current use and possible alternatives, the most likely areas of improvement can be addressed.

The committee will finalise an action plan that has a performance baseline for each of the priority areas. This plan will also include a set of guiding principles that potential new purchases or investments will be considered against.

If there are any financial implications as a result of proposed changes, but nevertheless seem prudent from an environmental perspectives, suggestions will be considered by Vestry.

### Monitor improvement

Performance will be monitored bi-annually against the benchmark data for each section. This will require systems to be developed and implemented to ensure we capture the right data to be able to track changes.

### Purchasing decisions

Purchase of any equipment, particularly long-term purchases, are to be measured against criteria of resource use, including energy use and water use, and life-cycle costs.

Environmental matters will be considered in any major purchase, and relevant environmental information are to be provided along with the recommendation.

## APPENDICES:

### Appendix 1: Consumables

#### Cleaning products

Product	Brand	Environmental performance	Alternatives
Detergent			
Hand Sanitizer			
Toilet rolls			
Hand towels			

#### Stationery

Product	Brand	Environmental Performance	Alternative
Paper A4 80 g			
Paper A4 120 g			
Paper A3 80g			
Pens			
Pencils			
Envelopes			
Printer cartridges			

#### Food items

Product	Brand	Environmental Performance	Alternative
Coffee			
Tea			
Sugar			
Biscuits			
Milk			
Communion Wine			
Communion bread / wafer			
Food covering			

#### Grounds / Maintenance

Product	Brand	Environmental performance	Alternatives
Rose spray			



Insect spray			
Fertiliser			
Lawn Mower			
Petrol			
Oil			

## Appendix 2: Waste

June 2020

### Church

1 x council provided rubbish bin / fortnight  
1 x council provided recycling bin / fortnight  
1 x council provided green waste bin / week

### Vicarage

1 x council provided rubbish bin / fortnight  
1 x council provided recycling bin / fortnight  
1 x council provided green waste bin / week

### Items to consider

- Can green waste be composted to be used on the church grounds?
- How are printing consumables disposed of?
- What goes into the landfill – are their alternatives that are recyclable?



## Appendix 3: Energy Use

Energy is currently used for the following purposes by the Church:

Church	Office	Lounge / Hall	Vicarage
Heating	Heating	Heating	Heating
Lights	Lights	Lights	Lights
Hot Water		Hot Water	Hot Water
Refrigeration		Refrigeration	Refrigeration
Sound system			
Computer & Display	Office equipment		Computer & Display
Electric piano			Electric piano
Electric organ			
Cleaning			
	Alarm	Alarm	
		Cooking / baking	Cooking / baking
		Dish-washer	Washing
			Lawn mowing (≈14 kWh per month)

The main draw on power at St Paul's is heating, hot water and lights, with computers / office equipment / electronics also using electricity on a regular basis.

### Notes:

- Hot water cylinders can be put on timers so that water is only heated for the days that it is needed (Hall for days that it is used / Church for Sundays).
- Meetings and events could be held in different spaces that are easier to heat (prayer room in the Church or the Lounge in the Hall).
- Are there solutions that will allow current heating systems in the Church to be more effective (e.g. fans to push heat down from the high ceilings) therefore allowing heating to be on for shorter periods.

## Appendix 4: Becoming a “Green” Parish

One of the underlying objectives of this plan was to encourage the church community to become more engaged with environmental issues with a view to caring for Creation.

### Notes:

- Nurturing and protecting our environment will become part of our core mission at St Pauls.
- Where possible if using imported products, we will look to use Fair Trade products.
- We will encourage the “buy local” practice and seek to purchase products that use recycled materials.
- Educate around the concept of Reduce, Re-Use, Recycle, Refuse (to buy something new)
- Minimise the use of “disposable” products.
- We will strive to mark special “Environmental” days.
- Review our energy provider to identify one that has the most positive environmental impact.
- We will endeavour to understand our “environmental footprint” for the Church and reduce this.
- We will look to keep our parish abreast with current environmental issues and support campaigns that resonate with our parish (with a particular focus on those within our local community or local schools).
- Events will be planned that allow our parish to enjoy the beauty and the bounty of the Earth.